

wherein at least one element of a shape-memory polymer is arranged on the at least one flexible structure (3, 10), the at least one flexible structure (3, 10) is formed at least partially from the shape-memory polymer, and/or a wall of the at least one inflatable chamber (4) is formed at least partially from the shape-memory polymer.

3. The motor vehicle (1) according to claim 2, wherein: the at least one flexible structure (3) is arranged and configured such that in the tensioned function state, it forms a hood covering the motor vehicle (1) from a top and at a side.

4. The motor vehicle (7) according to claim 2, wherein: the at least one flexible structure (8) is arranged and configured such that in the tensioned function state, it forms a large-area screen on an inside of a vehicle window facing a passenger compartment of the motor vehicle (7).

5. The motor vehicle (1, 7) according to claim 2, wherein: at least one storage space (5) for storing the at least one flexible structure (3, 10) in its slack storage state, and at least one retraction device for retracting the at least one flexible structure (3, 10) in its slack storage state into the at least one storage space (5).

6. The motor vehicle (1, 7) according to claim 5, wherein: the at least one storage space (5) is arranged in a roof region of the motor vehicle (1, 7).

7. The motor vehicle (1, 7) according to claim 5, wherein: at least one vehicle electronics is connected to the at least one transfer device and the at least one retraction device and is configured:

to actuate the at least one transfer device during a parked condition of the motor vehicle (1, 7) in order to automatically transfer the at least one flexible structure (3, 10), which is fully present in the at least one storage space (5), from the slack stowage state to the tensioned function state, and thereby move the at least one flexible structure (3, 10) out of the at least one storage space (5), and

after receiving a signal indicating an impending end of the parked condition, to actuate the at least one retraction device to automatically retract the at least one flexible structure (3, 10), again in its slack stowage state, completely back into the at least one storage space (5).

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